CONCLUSIONS

1. A compound for the decoration of ceramics and similar material consisting of a quantity of at least one inorganic pigment and a quantity of at least one mineral glass-former, characterized by the fact that the composition also contains at least one fusion element for the glass-former and an amount of at least one non-polar material.

2. A compound according to conclusion #1, characterized by the fact that the non-polar material is selected out of the group of saturated, unsaturated or cyclical hydrocarbons containing at least 5 carbon atoms. This means : saturated or unsaturated fatty acids or compounds of two or more different fatty acids, fats or mixtures of two or more of the aforecited compounds.

3. A compound according to conclusions #1 or #2, characterized by the fact that a non-polar material is selected out of the group of wax, paraffin, stearin, vybar and a compound of two or more of these elements.

4. A compound according to conclusions #1 till #3,characterized by the fact that the pigment is from inorganic or mineral origin.

5. A compound according to conclusions #1 till #4, characterized by the fact that it contains a quantity of at least one glass-former selected out of the group of clay minerals such as feldspars, aluminium silicates, calcium silicates, boron silicates, titanites and compounds of two or more of these elements.

6. A compound according to conclusions #1 till #5, characterized by the fact that at least one mineral fusion element for the glass-former is selected out of the group with a alkaline forming character, such as: lithium

compounds, sodium compounds, potassium compounds and those with a weak alkaline character, such as: magnesium oxide, calcium oxide, zinc oxide, barium oxide, lead oxide either as a natural or synthetized compound with acid forming and/or amphotere oxides.

7. A compound according to conclusions #1 till #6, characterized by the fact that the pigment is encapsulated in at least one glass-former.

8. A compound according to conclusions #1 till #7, characterized by the fact that it contains 5-20 u.o.w. pigment, 1-10 u.o.w. glass-former and 5-20 u.o.w. non-polar material.

9. A compound according to conclusions #1 till #8, characterized by the fact that it contains one or more of fusion elements to influence the melting-point of the glass-former.

10. A compound according to conclusion #9, characterized by the fact that it contains one or more fusion elements selected out of the group of minerals with a alkaline character as aforecited in conclusion #6..

11. A crayon for the decoration of ceramic products according to the compounds mentioned in conclusions #1 till #10.

12. A compound according to conclusions #1 till #9, characterized by its liquid make-up, containing a quantity of water.

13. A compound according to conclusion #12, characterized by the fact that it contains a quantity of an emulgating agent.

14. A ceramic product with a decoration, produced with a compound according to one of the conclusions #1 till #10, a crayon according to conclusion #11 or the compound according to conclusions #12 and #13.